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## AMENDMENTS

### In the Claims:

This listing of claims replaces all prior versions, and listings of claims in the application.

1. (Previously Presented) A pulse wave measuring apparatus comprising:

a pressure pulse wave sensor including a plurality of sensor elements, detecting an intra-arterial pressure waveform superficial of a body,

a select unit selecting a selected sensor element located right above an artery out of said plurality of sensor elements based on a sphygmographic waveform detected with said pressure pulse wave sensor,

a sphygmographic waveform value calculation unit calculating a characteristic value from the sphygmographic waveform detected with said selected sensor element,

a distortion degree calculation unit calculating difference in distortion degree of sphygmographic waveforms detected with respective said sensor elements, based on a sphygmographic waveform detected with said selected sensor element and a sphygmographic waveform detected with at least one sensor element located at a predetermined distance from said selected sensor element, and

an amplitude value correction unit correcting an amplitude value using said calculated difference in distortion degree.

2. (Previously Presented) The pulse wave measuring apparatus according to claim 1, wherein said characteristic value includes an AI (Augmentation Index) value.

3. (Previously Presented) The pulse wave measuring apparatus according to claim 2, wherein said difference in distortion degree calculated at said distortion degree calculation unit is a sum of a difference between an AI value calculated from a sphygmographic waveform detected with said selected sensor element and an AI value calculated from a sphygmographic waveform detected with said at least one sensor element located at a predetermined distance from said selected sensor element at said sphygmographic waveform value calculation unit.